

U.S. Serial No.: 10/615,151

Amendment To The Claims

1. (Currently Amended) A method for testing telephone operation, the method comprising:

connecting a call agent simulator to a Voice over Internet (VoIP) network, the call agent simulator being configured to simulate a plurality of call actions using a runtime interpretive programming language without compiling, each call action having an associated expected result in the network;

applying at least one call action of the plurality of call actions or events from the call agent simulator to the network;

detecting actual results in the network in response to the at least one call action that are expected to produce expected results in the network; and

verifying the actual results produced compared to the expected results.
2. (Currently Amended) The method set forth in claim 1, further comprising:

disconnecting the call agent simulator from the network; and connecting a call agent whose features are similar ~~similar~~ to the call agent simulator to the network.
3. (Original) The method of claim 1, wherein the call agent simulator includes a plurality of functions performed over the network.
4. (Original) The method of claim 3, further comprising extending the number of the functions.

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5. (Canceled)

6. (Currently Amended) The method of claim 1, wherein the call agent simulator uses ~~the~~ PERL language.

7. (Currently Amended) The method of claim 1, wherein the step of verifying the actual results ~~produced in the network relative to the expected results~~ is performed by the call agent simulator without ~~compiling or linking of the call agent~~ simulator.

8. (Original) The method of claim 1, wherein the expected results occur in the network.

9. (Original) The method of claim 1, wherein the expected results occur in a communications gateway (CG) connected to the network.

Claims 10-12 Canceled

13. (Currently Amended) An apparatus for testing Voice over Internet (VoIP) operations over a network, the apparatus comprising:

a call agent simulator attached to the network, the call agent simulator being configured to simulate a plurality of call actions using a runtime interpretive programming language without compiling, each call action having an associated expected

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result in the network; the call agent simulator applying at least one call action of the plurality of call actions ~~or events~~ to the network ~~that are expected to produce expected results in the network~~; and the call agent being configured to verify ~~means for verifying~~ the actual results produced in the network relative to the expected results.

14. (Original) The apparatus of claim 13, wherein the call agent simulator further comprises:

a manager level application;

a line object for each phone line supported by the call agent, each line object includes the attributes for that phone line; and

a call agent protocol library that is used by each line object to set up attributes.

15. (Original) The apparatus of claim 14, wherein the manager level application is used to set up each line object.

16. (Original) The apparatus of claim 14, wherein the manager level application dynamically add new line objects.

17. (Original) The apparatus of claim 14, wherein the manager level application coordinates the line objects when making phone calls.

18. (Original) The apparatus of claim 14, wherein the line objects encapsulate call agent functions when making phone calls.

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Claims 19-20 Canceled